Arizona Trip Nov 21 to 1913

H. S. Barber & E. A. Schwarz

Nov 21 Left Washington at 4 35 p. m

Nov 25 Arrived at Tucson at 7 30 a m. Called at Prof Thumbe at 9 a m; got information of localities of Thurberia and Anthonomus; visited his experimental garden and looked at the Thurberia and cotton plants; returned to hotel at 12 noon and commenced to arrange baggage. Too late to make an expedition to the Catalinas; so we went on the hill south of the city and looked a little for Cactus insects. Barber found on Thurberia cotton a Bruchus and Sagmatura flabilis; nothing seen on the Thurberia

Wednesday, Nov 26th Prof. Thumber, Barber & myself started by mountain rig to Ventana Cañon, via Old Fort Lowell. Road beyond the Fort very bad but very interesting on account of the multitude of many species of Cactus. Made temporary camp within the mouth of the Cañon Found two Thurberia plants close by and a few a short distance above, all at the bottom of the cañon close to the (dry) creek. These had evidently been visited by Botanists and or Entomologists before, because most bolls had been picked off, while the few left on were not affected by insects. I walked

about 1 mile up the canon. Then walking became difficult and I returned to camp. Prof. Thurber & Barber walked further up the canon and found many other plants, but only one coccoids. We returned to Tucson after 6 o'cl. p.m. Temperature cold in morning and evening, very pleasant during mid day.

Thursday, Nov. 27 Excursion to the Sierrita Mts, about 30 miles southwest of Tucson. Invited by Prof. Thurber who used the University Automobile, the trip being in honor of the botanist Dr. Clemens of the Minnesota University. After two breakdowns we stopped at the base of a hill (about 4000' high) I went about one-half up the hill and looked around for Thurberia without success although the hill was covered with Dasylirion and Nolena. Barber went further along the ridge of the mountains coming well into the Oak region (Quercus arizonica and emoryi) without seeing Thurberia. Had to start back at 2 30 p.m. on account of the poor condition of the auto tires and had a 3rd breakdown right in front of the Xavier Mission. — I did some collecting in decayed Dasylirion: 2 Dipterous larvae, Pierids, Nomalola, Histerids, Europs, Elatered larva, Scyphophorus — Also collected the Cypsid on Yucca elata in winter quarters.

Friday Nov. 28 Trip to Sabina Canon, Barber and self by automobile

Saturday Nov. 29 Remained in town to attend to various business. Wrote to Dr. Howard. Barber went to Pima Canon.

Sunday Nov. 30. Trip to the Rincons, Prof Thurber, Mrs. — —, Barber & self. Weather cold with rain (snow in higher mountains). Found Sitiga in dead Parkinsonia; fragment of Holcolepis and a bark of dead Fouquieria.

Monday Dec 1 Commenced packing for Santa Rita trip but decided late in a.m. to run into Soldiers Canyon; reached there about 1 p.m. Barber went up the government trail. Myself went about 3/4 mile in the cannon. On the way found 4 Thurberia plants growing near the bed of the canyon. Only a few bolls were to be seen, either boll-worm eaten or empty. Tried to find the Boll-worm pupa in the ground.

Tuesday Dec 2. Started by train at 11 a.m. for Morales. No wagon there: the road inspector, Mr. Thompson kindly put our baggage in the "warehouse". Barber walked up to McLeary's and myself turned over the stones on the dry mesa until 3 30 p.m. when I went again to Tucson.

Wednesday Dec. 3 — Started again to Morales where I found Barber, McLeary and wagon. Got some pounds of good beef steak from a cow killed by the train yesterday. Arrived at McLeary's place in the canyon about 3 30 p.m. Got supper and looked at the Thurberias near by along the creek banks. Found an Anthonomus

larva in the bolls and several weevils.

Thursday Dec 4, 1913 Went to a small canyon east of the big canon both canyons being perfectly dry. Thurberia extremely abundant, mostly growing on the creek bank, some in the very creek bottom, some among the mesquites on the "flats", and very few on the brink of the mesa about 9 feet above the creek. Weevils on some plants quite common very few without any weevils; Boll worm infested bolls hardly more common than weevil. Here and there a dead plant. Pupae of weevil hardly less common than imagoes, larvae extremely rare (2 very small larvae found). Certain plants furnished 30 or more infested bolls. Weevils usually in closed bolls but sometimes also in regularly open bolls; none in the green bolls. One or two plants still quite green plants without leaves are apt to contain no weevils. Infested plants recognizable from the large size of the not-infested seeds which have grown together. Parasites manifestly extremely rare, found only one parasitic pupa in the small canyon that has issued from a newly pupat imago, and a large parasitic larva in the main creek canyon. Bolls on upper part of plants apparently less infested than those lower down.

Heights of locality about 4000 [3975] feet, we went down the canon a little more than ½ miles and the plants

still continued to be numerous, Barber went some distance above the government fence and found that all plants had been nearly entirely eaten up by cattle

Weather quite cold; ground covered with sleet and snow in the morning; several times snowing during the day. No other insects observed on or in the bolls except a larva of a Pentatomoid bug and a Bostrychid (in main creek) boring in dead stem

Friday Dec 5, 1913 At McCleary's Weather very fine, cold in morning and evening, tolerably warm at midday. Walked alone to small canyon east of here, collecting infesting bolls. Walked down the canyon to the telephone wire. Plants and weevil getting scarcer and scarcer. Walked up the canyon to the fence, thence across the mesa to Saw Mill Canyon. Very few plants to be found, many dead ones, apparently killed by cattle. A few good plants on a rock and amidst the Acacia bushes. Influence of cattle on the plants and the weevil. Walked back to the small canyon and down to the lower trail collecting more infested bolls and returned at 4 p.m. Barber went on horseback to Madera canyon and reports that no Thurberias are there. The canyon is manifestly too high

Saturday Dec 6 Excursion with Barber up the main canyon to Mr Robinson's tent, thence up the canon close to the high mountains. Thurberias here plentiful on both sides of the canyon

several 100 feet above the bottom. Collected some bolls but was greatly hampered by Mr. Robinson's incessant mining talk. One plant furnished about 70 infested bolls. A heavy wind started after dark.

Sunday Dec. 7 Very heavy wind during the night which continued during most of the day. Went to the small unnamed canyon and collected a fair quantity of bolls. Barber made a long trip afoot to Box Canyon and back along the mountains, reaching 6000' altitude. Influence of the wind in opening the healthy bolls and scattering the seeds.

Monday Dec 8 A beautiful warm day. Barber, with his big camera, and myself went up the canyon to Mr. Robinson's tent, thence ascended the stony west slope and determined the highest range of the wild cotton, about 5100'. Barber ~~took~~ took several photos of the plants which at this season do not show up very well, because they are usually without leaves. Collected some infested bolls from the highest plants. Came home after 3 o'clock p.m and made a short excursion down the creek bed but found only a few dead plants.

Tuesday Dec. 9 Packed traps and went down to Morales, thence per rail to Tucson. Called on Prof. Thornber

Wednesday Dec 10 Got Cashed salary check, bought underwear shoes etc. ~~Packed~~ Repacked baggage for Phoenix trip

Thursday Dec. 11th Started early for Phoenix, arrived at 11:30 a.m. Failed to find Merrill; saw Mr. Bartlett and Russell. Town has less resources than Tucson.

Friday Dec. 12th Went over to Mesa and walked for 3 miles in the cultivated area. Saw much cotton in splendid condition but leaves frozen. Returned to Phoenix at 2 p.m. Barber went to Tempe in search of motor cycle. Freezing weather in the morning, very warm after noon. Many house flies at Mesa.

Saturday Dec. 13th Remained at Phoenix and packed up for the Fish Creek trip.

Sunday Dec. 14 Started at 8:30 for Fish Creek per regular auto stage and ~~car~~ arrived about 1 p.m. The innkeeper, Mr. Edmunds, is a blind man, having been stunned by lightning in the ~~same~~ 4 years ago. Went some distance up the 5th Mesa takes back of the inn then followed Fish Creek a good distance up and a short distance ~~up~~ down. Did not see a single Cotton plant.

Monday, Dec. 15 Went alone up the road and at the very summit encountered the first Cotton plant. Farther along ~~the~~ the ~~Mesa~~ ridge there are many hundred plants. There are either dead or in very poor condition, the plants having pushed out the past season nothing but a few weakly leaves. There have no weevils here in 1913 in total absence of bolls; nor in 1912, the bolls being all open and no weevil cells to be seen. Nor is there the slightest evidence of weevil work in the

black dead bolls of previous years. Bollworms work very rare. — Barber made a big excursion ~~to~~ to Horse Mesa, returning at midnight!!

Tuesday Dec. 16, 1913 Barber & self went again up the mesa. The extent of this Thurberia area is enormous and widens out for several miles ~~to~~ toward the west. Barber went down the head of a little canyon leading to Fish Creek and reports the plants in somewhat better condition. Heavy rain got both wet before returning. The small colony of plants about 30 rods at the bridge looks green but the conditions are the same.

Wednesday, Dec. 17, 1913 I do not feel well at all. ~~Bar~~ The stage was crowded so we have ~~to~~ to stay here another day. Barber climbed up the creek behind the inn and found the plants in the uppermost canyon of the creek, a place not easily reached.

Thursday Dec. 18, 1913 Returned To Phoenix

Dec. 19 to Dec. 23, 1913 Stood at Phoenix and slowly recovered from most of my afflictions. Barber visited several of the surrounding mountain ranges.

Dec. 24 Went to Hotsprings., arriving at about 1 p.m.

Thursday Dec. 25, Hotsprings. I am still in very poor condition for running about. Barber went on a 3 days expedition to the Bradshaw Mts. The fauna of the spring creek is nearly exterminated by the "improvements". Sepidalum can not longer be found and Hydroscapha has become extremely rare. Weather very fine; quite chilly in the morning and evening, very pleasant in the noon hours.

Friday Dec. 26, 1913 Hot Springs went up some of the trails in the valley but did not see anything of importance

Saturday Dec. 27, 1913 Went fishing for Hydroscapha in the creek with poor success, only 2 being found by me. Barber returned in P. M. having found the Wild Cotton plant on the slope of the Broadshaw Mts.

Sunday Dec. 28, 1913 Barber & myself went up to the spring where Barber found Hydroscapha and its larva. Returned to Phoenix in P. M. and arrived at 9 55 p.m.

Monday Dec. 29, 1913 Barber went again in search of that motorcycle to Tempe, whence I accompanied him. Made acquaintance of Mr. Wilson.

Tuesday, Dec. 30, 1913. ~~Barber went on trip to Superstition Mts. on hired motorcycle.~~ Attended to mail and nursed myself; feel tolerably restored.

Tuesday, Dec. 30, 1913 Barber went on trip to Superstition Mts on hired ~~&~~ motorcycle, did not return at night.

Phoenix, Wednesday Dec. 31, 1913 Barber has not yet returned from the Superstitions Mts. I feel greatly worried about him.

He arrived about noon. Went to bank

Phoenix Thursday, Jan. 1, 1914 Wrote to Hunter, packed traps to be expressed to Tucson.

Winkelman, Jan 2, 1914 Started from Phoenix at 8 20 a.m. and arrived here at 12 35 p.m. Great disappointed at location of place. Hunt for the Thurberia plant in garden. Made acquaintance of Mr. Richard Lusk. In p.m. went toward the

Hayden smelter.

Ray, Jan 3, 1914 At Winkelman Barber went in a.m. on the mountains above the left bank of the San Pedro river. Myself went on the slope toward the Hayden smelter. A single plant of cultivated Egyptian cotton in a garden. Left at 1.25 p.m. to Ray Junction, three to Ray. Preliminary excursion up to first ravine above the city.

Ray, Jan. 4, 1914 Barber went up to the high mesas on the mescal hills, came back in the evening but reported no Thurberia plants, although the associated plants were there (Yucca schottii, Dasylirion etc.). Myself went into the little canyon at the first gulch but did not find much

Tucson, Jan 5, 1914 Took at Ray the morning train for Ray Junction but found that the stage from Globe had collapsed. Separated from Barber and took 2.25 p.m. back to Phoenix, went to post office and photographic store, took supper and left at 7.30 p.m. for Tucson where I arrived after midnight.

Tucson, Jan. 6, 1914 Attended to financial matters and rested.

Tucson, Jan. 7, 1914. The Oracle auto failed to call on me and I lost the entire day.

Oracle, Thursday, Jan. 8, 1914. Left Tucson at about 8 a.m. reaching the Oracle after 10 a.m. I went at once up the little canyon coming down the ridge but failed to see the Thurberia although conditions seem to be favorable. Went up the ridge and found myself amidst the Dasylirion, various oaks and I saw ~~one~~ Agave schottii. The country is manifestly too dry for the cotton and perhaps too high. In p.m. a heavy wind sprang up so I went among the rocks near the hotel. but the cotton is not there. Collected some oak galls and some beetles under stones etc.

Oracle, Friday, Jan. 9, 1914 Very cold and unfriendly weather, heavy wind and snow cloud, coming from the Catalinas. Went up the ridge and went down the first two canyons towards the southwest. Did not see Thurberia. Went back over the ridge and followed the main canyon to its abrupt end. At noon took the stage back to Tucson where I arrived before 2 p.m.

Saturday Jan 10, Tucson. Arranged my collection and waited for Barber.

Sunday, Jan. 11, Tucson. Barber arrived at 5 a.m. and went on horseback to Pima Canyon. ~~Rode~~ Packed my Traps

61

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

250 260
25 4
275
3
278
200
4
482

Southern Agcy. Bank & Trust Co, Stone Ave

Consolidated | Nature Bank of Ar | ~~Barber owes me $100.00~~ Dec 7, 1913

~~Barber owes me $200.00 Dec. 14, 1913~~

~~Dec. 24, I owe Barber $260~~

Barber owes me $230.00, Jan 5, 1914

148